



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/608,501	06/30/2000	Vinu Sunderasan	COVDP008	2138

23689 7590 08/13/2003

Jung-hua Kuo
Attorney At Law
PO Box 3275
Los Altos, CA 94024

EXAMINER

DUONG, THOMAS

ART UNIT

PAPER NUMBER

2143

DATE MAILED: 08/13/2003

5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/608,501

Applicant(s)

SUNDERASAN ET. AL

Examiner

Thomas Duong

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-33 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a¹ person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-6, 9, 14-19, 20, 24-29 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sundaresan et al. (U.S. Patent No. 6,463,079 B2) and further in view of Bayeh et al. (U.S. Patent No. 6,012,098).

Claims 7-8, 11-13, 21-23 and 31-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sundaresan et al. (U.S. Patent No. 6,463,079 B2), Bayeh et al. (U.S. Patent No. 6, 012,098) and further in view of Chen et al. (U.S. Patent No. 6,507,856 B1).

2. With regard to *claims 1, 14 and 24*, Sundaresan reference discloses,
 - *electronically receiving a request message relating to the high speed network access service from a service provider via a network* (column 16, lines 27-34).

- *processing the request message from the service provider using a computer system (column 16, lines 38-56).*
- *electronically transmitting the response message to the service provider via the network (column 17, lines 32-36). However, Sundaresan reference does not explicitly disclose,*
- *wherein the processing of the request message utilizes a predefined request document tag definition and the generating of the response message utilizes a predefined response document tag definition.*

Bayeh teaches,

- *wherein the processing of the request message utilizes a predefined request document tag definition and the generating of the response message utilizes a predefined response document tag definition (column 4, lines 23-42).*

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Bayeh with Sundaresan to enable additional data retrieval or formatting implementations to be quickly and easily added into the computing environment, providing greater flexibility in the manner in which data can be presented, and possible increasing overall system throughput and alleviating potential processing bottlenecks as well. Furthermore, it makes changes less error-prone because it is more likely that all the code needing change will be located, and will therefore be changed.

3. With regard to *claims 2, 15 and 25*, Sundaresan reference discloses,
- *wherein the processing of the request message determines a type with which the request message is associated, the type is selected from the group consisting of service availability, DSL service, order entry, order status, order summary, trouble ticket entry, trouble ticket status, and trouble ticket summary (figures 8A-8J, sheets 10-19).*

4. With regard to *claims 3-4, 16-17 and 26-27*, Bayeh reference discloses,
- *wherein the processing of the request message utilizes the predefined request document tag definition corresponding to the request message type (column 4, lines 23-42).*

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Bayeh with Sundaresan to enable additional data retrieval or formatting implementations to be quickly and easily added into the computing environment (see claim 1).

5. With regard to *claims 5-6, 18-19 and 28-29*, Bayeh reference discloses,
- *wherein the processing of the request message includes determining from the request message values for request parameters corresponding to the message type (column 4, lines 51-60).*

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Bayeh with Sundaresan to enable additional data retrieval or formatting implementations to be quickly and easily added into the computing environment (see claim 1).

6. With regard to *claims 7 and 8*, Sundaresan and Bayeh references disclose,
- *the method for automating communications between service providers in connection with providing the high speed network access service of claim 1 (see above). However, Sundaresan and Bayeh references do not explicitly disclose,*
 - *wherein, where the request message includes at least one sub-request, the generating of the response message includes generating the response message with at least one subresponse, each sub-response corresponding to one of at least one sub-request.*

Chen teaches,

- *wherein, where the request message includes at least one sub-request, the generating of the response message includes generating the response message with at least one subresponse, each sub-response corresponding to one of at least one sub-request (column 2, lines 29-42; figures 7-8, sheet 6).*

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Chen with Sundaresan and Bayeh to enable additional data retrieval or formatting implementations to be quickly and easily added into the computing environment, providing greater flexibility in the manner in which data can be presented, and possible increasing overall system throughput and alleviating potential processing bottlenecks.

Furthermore, it makes changes less error-prone because it is more likely that all the code needing change will be located, and will therefore be changed.

7. With regard to *claims 9, 20 and 30*, Bayeh reference discloses,

- *wherein the processing of the request message includes decoding the request message from extensible markup language (XML) and the generating of the response message includes encoding the response messages in XML (column 4, lines 23-42).*

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Bayeh with Sundaresan to enable additional data retrieval or formatting implementations to be quickly and easily added into the computing environment (see claim 1).

8. With regard to *claims 10-13, 21-23 and 31-33*, Sundaresan and Bayeh references disclose,

- *the method for automating communications between service providers in connection with providing the high speed network access service of claim 1 (see above). However, Sundaresan and Bayeh references do not explicitly disclose,*
- *wherein each predefined response and request document tag definition is associated with a message document header tag definition, corresponding one of a request and response message header tag definition and a message body tag definition.*

Chen teaches,

- *wherein each predefined response and request document tag definition is associated with a message document header tag definition, corresponding one of a request and response message header tag definition and a message body tag definition (column 2, lines 29-42; figures 7-8, sheet 6).*

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Chen with Sundaresan and Bayeh to enable additional data retrieval or formatting implementations to be quickly and easily added into the computing environment, providing greater flexibility in the manner in which data can be presented, and possible increasing overall system throughput and alleviating potential processing bottlenecks.

Furthermore, it makes changes less error-prone because it is more likely that all the code needing change will be located, and will therefore be changed.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:
 - Sandhu et al. (U.S. Patent No. 6,347,307 B1)
 - Yokell et al. (U.S. Patent No. 6,507,870 B1)
 - Saaverda et al. (U.S. Patent No. 6,459,702 B1).
 - Li et al. (U.S. Patent No. 6,351,770 B1)
10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas Duong whose telephone number is

703/305-1886. The examiner can normally be reached on M-F 7:30AM - 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A Wiley can be reached on 703/308-5221. The fax phone numbers for the organization where this application or proceeding is assigned are 703/305-3719 for regular communications and 703/305-3719 for After Final communications.


Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703/305-3900.

Thomas Duong

Examiner

Art Unit 2143

August 7, 2003


DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100